

ArcelorMittal Dofasco



ArcelorMittal

XCarb[®]

Towards net zero steel

North America Flat Products



Towards net zero steel

XCarb® brings together all of ArcelorMittal's reduced, low and zero-carbon products and steelmaking activities, as well as wider initiatives and green innovation projects, into a single effort focused on achieving demonstrable progress towards net zero steel.

In North America, we have pledged to reduce our CO₂ emissions by a minimum of 25 per cent by 2030, in alignment with our global company's ambitious goal of achieving net zero emissions by 2050.

We are getting there through several major investments. In Hamilton, Ontario, we have plans for an approximately 60 per cent reduction of GHG emissions by 2028 by removing coal from ironmaking and converting from Basic Oxygen to Electric Arc Furnace steelmaking. In Port-Cartier, Quebec, pellet production will be converted to DRI pellets by the end of 2025, reducing plant CO₂ emissions by approximately 20 per cent. In Calvert, Alabama, Electric Arc Furnace (EAF) steelmaking is in the final stages of construction which will replace the purchase of slabs made via the Blast Furnace > Basic Oxygen Furnace route.

We are aligned with the Paris climate goals and our European operations have committed to reducing CO₂ emissions by 30% by 2030, in line with the European Green Deal.

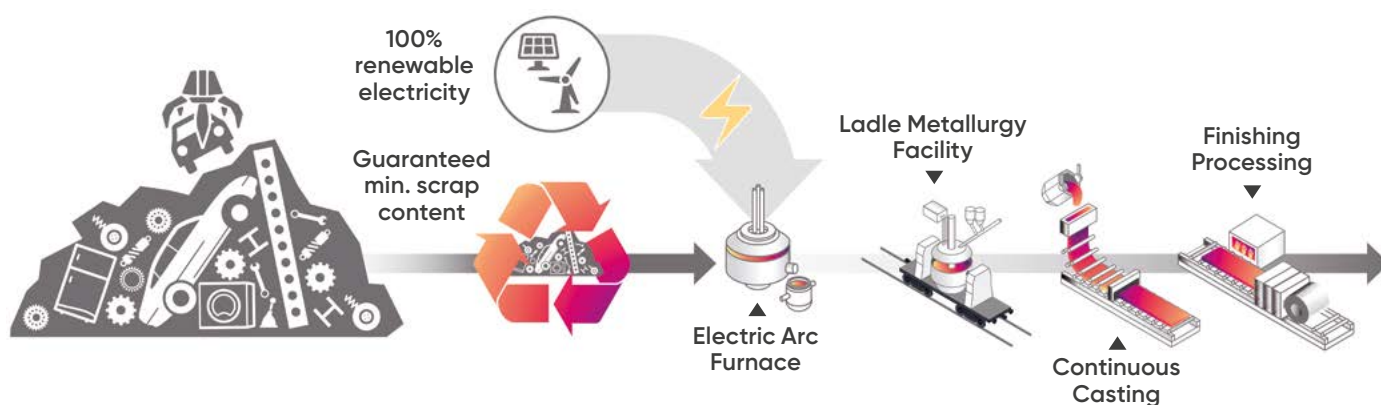
As the world's leading steel company, we aim to be part of the solution and our journey towards net zero steel is well underway.

XCarb® Recycled and Renewably Produced

ArcelorMittal North America's XCarb® recycled and renewably produced certification is applied to physical steel produced in an Electric Arc Furnace (EAF) using a minimum of 70 per cent scrap and 100 per cent renewable electricity.

The electricity used comes from renewable sources such as hydro, wind and solar, and is supplied via a recognized Confirmation Letter ensuring the renewable electricity is connected to the same grid as our steelmaking assets.

XCarb® recycled and renewably produced is a lower CO₂ intensity physical steel product than the global and North American steel average CO₂ intensity. The lower CO₂ intensity has been independently verified with an accompanying Life Cycle Analysis (LCA). There are no carbon offsets involved in achieving XCarb® recycled and renewably produced lower CO₂ intensity. The raw material extraction to finished product LCA covers Scopes 1, 2 and upstream Scope 3, an assurance no other steel supplier in North America currently offers.



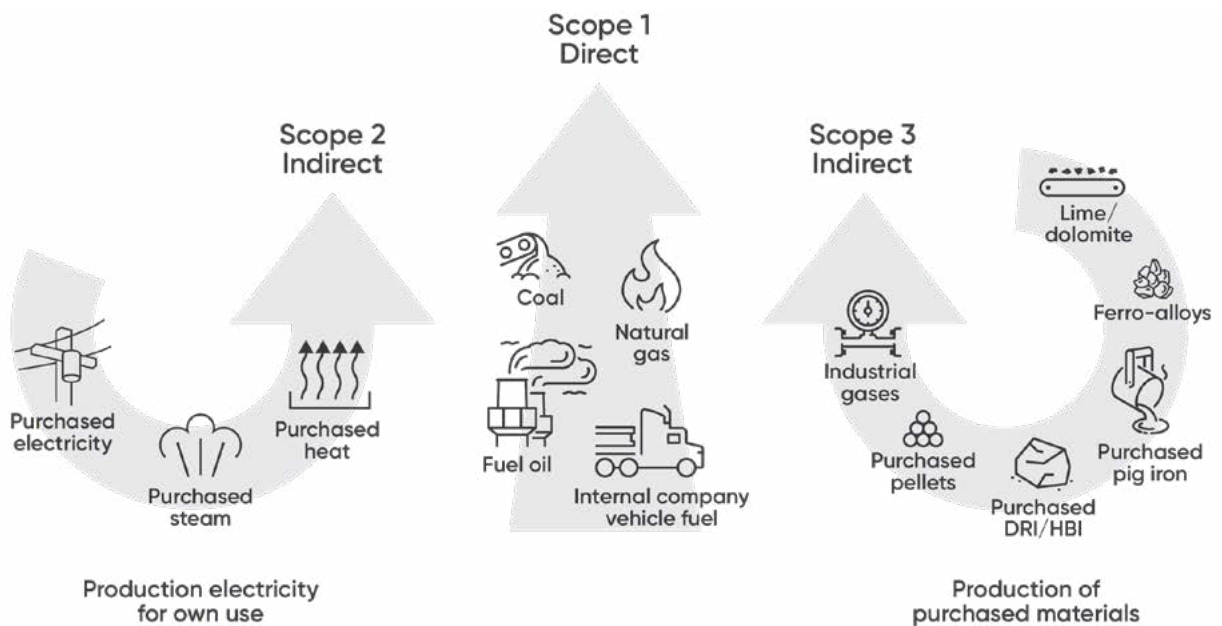
Why XCarb® recycled and renewably produced?

XCarb® RRP is superior to any other low carbon offering in North America:


- Guaranteed 70 per cent scrap minimum content
- 100 per cent renewable electricity
- Life cycle assessment (LCA) according to ISO 14044
- Includes scopes 1, 2 and upstream 3, per GHG Protocol
- Third party independently audited
- Guaranteed CO₂ per ton produced

XCarb® RRP is the only North American steel to report carbon footprint with substantially lower CO₂ per ton of steel compared to worldsteel Global Average¹ and the AISI North American Average².

Scope 1, 2 and 3 GHG Protocol Emissions



Product offering

Technology	Decarbonized Offer	XCarb® Offer	Technical Offer		When Available
			Products	Markets	
Scrap based EAF	Partially decarbonized physical steel with Independently Audited Life Cycle Analysis		Hot Roll Cold Roll Galvanized Galvanneal Galvalume Organic Coated	Automotive Construction Industrial Packaging Manufacturing Service Centers	Starting Q1, 2023
			ASTM CS, SS and HSLA Automotive CR1, HSLA-F, Usibor™, AHSS		

¹Life Cycle Inventory (LCI) Study, worldsteel Association, May, 2021

²Life Cycle Inventories of North American Steel Products, AISI, Nov 13, 2020

Smarter steels for people and planet

ArcelorMittal is one of the world's largest steel and mining companies. Guided by a philosophy to produce safe, sustainable steel, it is a leading supplier of quality steel products in all major markets including automotive, construction, energy, household appliances and packaging. ArcelorMittal is present in more than 60 countries and has an industrial footprint in more than 20 countries.

With a strong presence in North America, Europe, South America and South Africa, and an emerging presence in China, ArcelorMittal delivers a large scale of products, solutions and services to customers with the same quality focus in all regions. ArcelorMittal is a leader in steel technology, both in the breadth and depth of our product portfolio, and in our ability to supply a range of grades throughout the world. ArcelorMittal is a supplier of choice for all markets, a testament of our commitment to working collaboratively with our customers to engineer advanced steel grades to meet their needs.

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Box 2460, 1330 Burlington Street East
Hamilton, ON L8N 3J5 Canada
dofasco.arcelormittal.com

✕ @ArcelorMittal_D

f facebook.com/arcelormittaldofasco

@ @arcelormittal_dofasco

+1 800 816 6333

customer-inquiries.dofasco@arcelormittal.com

ArcelorMittal North America

833 West Lincoln Highway
Schererville, Indiana 46375 USA
northamerica.arcelormittal.com

✕ @ArcelorMittalUS

f facebook.com/ArcelorMittalUSA

+1 800 422 9422

NorthAmericaSolutions@arcelormittal.com